

fication htifier led use of the ch	:	Losartan / Amlod	
ntifier	:	Losartan / Amlod	
	:	Losartan / Amlod	
led use of the ch			lipine Besylate Formulation
	nem	ical and restriction	ons on use
ed use	:	Pharmaceutical	
on use	:	Not applicable	
er or supplier's d	etai	ls	
	:	Organon & Co.	
	:	30 Hudson Stree	et, 33nd floor / Jersey, U.S.A 07302
		Jersey City, New	Jeisey, 0.3.A 07302
	:	+1-551-430-6000)
elephone number	:	+1-215-631-6999	Э
55	:	EHSSTEWARD	@organon.com
	·	SS :	elephone number : +1-215-631-6999

Classification of the substance or mixture						
Serious eye damage/eye irri- tation	:	Category 1				
Skin sensitisation	:	Category 1				
Reproductive toxicity	:	Category 1B				
Effects on or via lactation						
Specific target organ toxicity - repeated exposure (Oral)	:	Category 2 (Blood, Cardio-vascular system, Stomach, Kidney)				
GHS Label elements, includi	ing	precautionary statements				

g p y

Hazard pictograms	
Signal word	: Danger
Hazard statements	 H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H360D May damage the unborn child. H362 May cause harm to breast-fed children.



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			use damage to organs (Blood, Cardio-vascular ach, Kidney) through prolonged or repeated ex- llowed.
Preca	autionary statements	P202 Do not and understor P260 Do not P263 Avoid c P264 Wash s P270 Do not P272 Contar the workplace P280 Wear p	breathe dust. ontact during pregnancy and while nursing. kin thoroughly after handling. eat, drink or smoke when using this product. inated work clothing should not be allowed out of
		P305 + P351 water for seve and easy to d CENTER/ doo P308 + P313 attention. P333 + P313 vice/ attentior	IF exposed or concerned: Get medical advice/ If skin irritation or rash occurs: Get medical ad-
		Storage: P405 Store lo	ocked up.
		Disposal: P501 Dispose disposal plant	e of contents/ container to an approved waste t.

Other hazards which do not result in classification

Contact with dust can cause mechanical irritation or drying of the skin. May form explosive dust-air mixture during processing, handling or other means.

Section 3: Composition/information on ingredients

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Cellulose	9004-34-6	>= 50 -< 70
Losartan	124750-99-8	>= 10 -< 20
Amlodipine Besylate	652969-01-2	>= 1 -< 2.5
Titanium dioxide	13463-67-7	>= 0.1 -< 1



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Section 4: First-aid measures

General advice	: In the case of accident or if you feel unwell, seek medic	cal
	vice immediately.	
	When symptoms persist or in all cases of doubt seek m	nec
	advice.	
If inhaled	: If inhaled, remove to fresh air.	
In case of skin contact	Get medical attention. : In case of contact, immediately flush skin with soap and	d r
In case of skin contact	of water.	սր
	Remove contaminated clothing and shoes.	
	Get medical attention.	
	Wash clothing before reuse.	
	Thoroughly clean shoes before reuse.	
In case of eye contact	: In case of contact, immediately flush eyes with plenty o	of v
	for at least 15 minutes.	
	If easy to do, remove contact lens, if worn.	
If any llaw al	Get medical attention immediately.	
If swallowed	: If swallowed, DO NOT induce vomiting. Get medical attention.	
	Rinse mouth thoroughly with water.	
Most important symptoms	s and effects, both acute and delayed	
Risks	: May cause an allergic skin reaction.	
	Causes serious eye damage.	
	May damage the unborn child.	
	May cause harm to breast-fed children.	
	May cause damage to organs through prolonged or rep	bea
	exposure if swallowed.	
	Contact with dust can cause mechanical irritation or dry the skin.	yın
Protection of first-aiders	 First Aid responders should pay attention to self-protec 	tio
Frotection of hist-alders	and use the recommended personal protective equipme	
	when the potential for exposure exists (see section 8).	0
Indication of any immedia	te medical attention and special treatment needed	
Treatment	: Treat symptomatically and supportively.	
tion 5: Fire-fighting measu	res	
Extinguishing media		
Suitable extinguishing medi	a : Water spray	

Suitable extinguishing media	:	Water spray Alcohol-resistant foam
		Carbon dioxide (CO2)
		Dry chemical
Unsuitable extinguishing media	:	None known.

Special hazards arising from the substance or mixture

Specific hazards during fire- : Avoid generating dust; fine dust dispersed in air in sufficient



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fightir	ng		potential dust	, and in the presence of an ignition source is a explosion hazard. ombustion products may be a hazard to health.	
Hazardous combustion prod- ucts			Carbon oxides Chlorine compounds Nitrogen oxides (NOx) Metal oxides		
Speci for fire	ial protective actions for ial protective equipment efighters ific extinguishing meth-	or fi :	In the event of Use personal p Use extinguish cumstances an Use water spra	fire, wear self-contained breathing apparatus. protective equipment. ing measures that are appropriate to local cir- nd the surrounding environment. ay to cool unopened containers. maged containers from fire area if it is safe to c	
Personal	: Accidental release me precautions, protective onal precautions		uipment and e Use personal p Follow safe ha	protective equipment. ndling advice (see section 7) and personal pro	
	ental precautions onmental precautions	:	Avoid release Prevent furthe Retain and dis	ent recommendations (see section 8). to the environment. r leakage or spillage if safe to do so. pose of contaminated wash water. es should be advised if significant spillages tained.	
	and materials for conta ods for cleaning up	inm :	Sweep up or v tainer for disport Avoid dispersativith compress Dust deposits es, as these m leased into the Local or nation posal of this m employed in the mine which reg Sections 13 an	acuum up spillage and collect in suitable con- sal. Il of dust in the air (i.e., clearing dust surfaces	



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Section 7: Handling and storage

Precautions for safe handling	
Technical measures :	Static electricity may accumulate and ignite suspended dust causing an explosion. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.
Local/Total ventilation :	If sufficient ventilation is unavailable, use with local exhaust ventilation.
Advice on safe handling :	Avoid contact during pregnancy and while nursing. Do not get on skin or clothing. Do not breathe dust. Do not swallow. Do not get in eyes. Wash skin thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure as- sessment Keep container tightly closed. Minimize dust generation and accumulation. Keep container closed when not in use.
Hygiene measures :	Keep away from heat and sources of ignition. Take precautionary measures against static discharges. Do not eat, drink or smoke when using this product. Take care to prevent spills, waste and minimize release to the environment. If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place. When using do not eat, drink or smoke. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before re-use.
Conditions for safe storage, in	cluding any incompatibilities
Conditions for safe storage : Materials to avoid :	Keep in properly labelled containers. Store locked up. Keep tightly closed. Store in accordance with the particular national regulations. Do not store with the following product types:
	Strong oxidizing agents

Section 8: Exposure controls/personal protection

Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type	Control parame-	Basis
		(Form of	ters / Permissible	



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		exposure)	concentration	
Cellulose	9004-34-6	PEL (long term)	10 mg/m3	SG OEL
		TWA	10 mg/m3	ACGIH
Losartan	124750-99-8	TWA	100 µg/m3 (OEB 2)	Internal
Amlodipine Besylate	652969-01-2	TWA	20 µg/m3 (OEB 3)	Internal
		Wipe limit	100 µg/100 cm ²	Internal
Titanium dioxide	13463-67-7	PEL (long term)	10 mg/m3	SG OEL

Appropriate engineering control measures	:	Minimize workplace exposure concentrations. Apply measures to prevent dust explosions. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are de- signed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). If sufficient ventilation is unavailable, use with local exhaust ventilation.
Individual protection measu	res	, such as personal protective equipment (PPE)
Eye/face protection	:	Wear the following personal protective equipment: Chemical resistant goggles must be worn. If splashes are likely to occur, wear: Face-shield
Skin protection	:	Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).
Respiratory protection	:	If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection.
Filter type Hand protection	:	Particulates type
Material	:	Chemical-resistant gloves
Remarks	:	Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous sub- stance and specific to place of work. Breakthrough time is not determined for the product. Change gloves often! For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.

Section 9: Physical and chemical properties

Appearance	:	powder
Colour	:	No data available



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Odour		:	No data available	9
Odour	Threshold	:	No data available	9
рН		:	No data available	9
Melting	g point/freezing point	:	No data available	9
Initial t range	poiling point and boiling	:	No data available	
Flash p	point	:	Not applicable	
Evapo	ration rate	:	No data available	9
Flamm	nability (solid, gas)	:	May form explosiding or other me	ive dust-air mixture during processing, han- ans.
Flamm	ability (liquids)	:	No data available	9
	explosion limit / Upper ability limit	:	No data available	9
	explosion limit / Lower ability limit	:	No data available	9
Vapou	r pressure	:	No data available	9
Relativ	ve vapour density	:	No data available	9
Relativ	ve density	:	No data available	9
Densit	у	:	No data available	9
	lity(ies) ter solubility	:	No data available	9
	on coefficient: n-	:	No data available	9
	l/water gnition temperature	:	No data available	9
Decom	nposition temperature	:	No data available	9
Viscos Vise	ity cosity, kinematic	:	No data available	9
Explos	ive properties	:	Not explosive	
Oxidizi	ing properties	:	The substance o	r mixture is not classified as oxidizing.



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Moleo	cular weight	:	No data availabl	e		
	le characteristics					
Partic	le size	:	No data availabl	e		
Section 1	0: Stability and reactivi	ty				
Reac		:		a reactivity hazard.		
	nical stability bility of hazardous reac-	:	Stable under no May form explose	rmal conditions. ive dust-air mixture during processing, han-		
tions		•	dling or other me			
Cond	itions to avoid	:	Heat, flames and Avoid dust form			
	npatible materials	:	Oxidizing agents	3		
Haza produ	rdous decomposition	:	: No hazardous decomposition products are known.			
Section 1	1: Toxicological inform	atic	n			
Informexpos	nation on likely routes of sure	:	Inhalation Skin contact Ingestion Eye contact			
Acute	e toxicity					
Not c	lassified based on availa	ble	information.			
Prod	uct:					
	uct: oral toxicity	:	Acute toxicity est Method: Expert ju	imate: > 5,000 mg/kg udgement		
Acute		:				
Acute	oral toxicity	:				
Acute <u>Com</u> Cellu	oral toxicity	:		udgement		
Acute <u>Com</u> Cellu Acute	oral toxicity conents: lose:	:	Method: Expert ju LD50 (Rat): > 5,0 LC50 (Rat): > 5.8	udgement 000 mg/kg 8 mg/l		
Acute <u>Com</u> Cellu Acute	e oral toxicity <u>ponents:</u> lose: e oral toxicity	:	Method: Expert ju LD50 (Rat): > 5,0	000 mg/kg b mg/l h		
Acute <u>Com</u> Cellu Acute Acute	e oral toxicity <u>ponents:</u> lose: e oral toxicity	: :	Method: Expert ju LD50 (Rat): > 5,0 LC50 (Rat): > 5.8 Exposure time: 4	000 mg/kg 8 mg/l h : dust/mist		
Acute <u>Com</u> Cellu Acute Acute	e oral toxicity ponents: lose: e oral toxicity e inhalation toxicity e dermal toxicity	:	Method: Expert ju LD50 (Rat): > 5,0 LC50 (Rat): > 5.8 Exposure time: 4 Test atmosphere	000 mg/kg 8 mg/l h : dust/mist		
Acute Cellu Acute Acute Acute	e oral toxicity ponents: lose: e oral toxicity e inhalation toxicity e dermal toxicity	: : : :	Method: Expert ju LD50 (Rat): > 5,0 LC50 (Rat): > 5.8 Exposure time: 4 Test atmosphere LD50 (Rabbit): >	000 mg/kg 8 mg/l h : dust/mist		
Acute Cellu Acute Acute Acute	e oral toxicity ponents: lose: e oral toxicity e inhalation toxicity e dermal toxicity rtan:	:	Method: Expert ju LD50 (Rat): > 5,0 LC50 (Rat): > 5.8 Exposure time: 4 Test atmosphere LD50 (Rabbit): >	udgement 000 mg/kg 8 mg/l h : dust/mist 2,000 mg/kg ,257 - 1,590 mg/kg		



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11					
	dinina Baaylatay				
	dipine Besylate: oral toxicity	:	LD50 (Rat): 39	3 mg/kg	
Titan	ium dioxide:				
Acute	oral toxicity	:	LD50 (Rat): > 5	5,000 mg/kg	
Acute inhalation toxicity		:	LC50 (Rat): > 6.82 mg/l Exposure time: 4 h Test atmosphere: dust/mist Assessment: The substance or mixture has no acute inhala- tion toxicity		
-	corrosion/irritation				
	assified based on ava	allable	information.		
<u>Comp</u>	oonents:				
Losa	rtan:				
Speci Resul	es t	:	Rabbit Mild skin irritati	on	
T '' ()					
Speci	ium dioxide:		Rabbit		
Resu		:	No skin irritatio	n	
Serio	us eye damage/eye i	irritati	on		
Cause	es serious eye damag	e.			
Com	oonents:				
Losa	rtan:				
Speci	es	:	Rabbit		
Resu	t	:	Severe irritatio	n	
	dipine Besylate:				
Speci		:	Rabbit	_	
Resu	τ	:	Severe irritatio	n	
	ium dioxide:				
Speci Resul	es t	:	Rabbit	<u></u>	
Resu	ι	•	No eye irritatio		
Deen	iratory or skin sensi	ticatio	n		



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Respiratory sensitisation

Not classified based on available information.

Components:

Losartan:

Test Type	: Maximisation Test
Exposure routes	: Skin contact
Species	: Guinea pig
Assessment	: Probability or evidence of skin sensitisation in humans
Test Type Exposure routes Species Assessment Result	: positive

Titanium dioxide:

Test Type	:	Local lymph node assay (LLNA)
Exposure routes	:	Skin contact
Species	:	Mouse
Test Type Exposure routes Species Result	:	negative

Germ cell mutagenicity

Not classified based on available information.

Components:

Cellulose:

Genotoxicity in vitro	:	Test Type: Bacterial reverse mutation assay (AMES) Result: negative
		Test Type: In vitro mammalian cell gene mutation test Result: negative
Genotoxicity in vivo	:	Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay) Species: Mouse Application Route: Ingestion Result: negative
Losartan:		
Genotoxicity in vitro	:	Test Type: in vitro assay Result: negative
		Test Type: In vitro mammalian cell gene mutation test Test system: Chinese hamster ovary cells Result: negative
		Test Type: Alkaline elution assay Result: negative
		Test Type: Chromosomal aberration Result: negative
Genotoxicity in vivo	:	Test Type: Chromosomal aberration
		40/40



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		Docult	
		Result	: negative
Amlo	dipine Besylate:		
Genc	otoxicity in vitro		ype: Bacterial reverse mutation assay (AMES) : negative
			ype: Chromosome aberration test in vitro : negative
Titan	ium dioxide:		
Geno	otoxicity in vitro		ype: Bacterial reverse mutation assay (AMES) : negative
Geno	otoxicity in vivo	Specie	ype: In vivo micronucleus test es: Mouse : negative
	inogenicity lassified based on ava	ilable informa	tion
	ponents:		
	llose:		
Spec		: Rat	
Appli	cation Route	: Ingesti	
Expo Resu	sure time It	: 72 wee : negativ	
Losa	rtan:		
Spec		: Mouse	
	cation Route sure time	: Oral : 92 wee	eks
Dose		: 200 m	g/kg body weight
Resu	lt	: negativ	/e
Spec	ies	: Rat	
Appli	cation Route sure time	: Oral : 105 we	peks
Dose		: 270 m	g/kg body weight
Resu	lt	: negativ	/e
Amlo	odipine Besylate:		
Spec	ies	: Mouse	
	cation Route sure time	: Oral : 2 Year	8
Resu		: negativ	
Spec	ies	: Rat	
Appli	cation Route	: Oral	



rsion)	Revision Date: 06.04.2024	SDS Number: 49944-00023	Date of last issue: 30.09.2023 Date of first issue: 26.01.2015
Expos Resul	ure time t	: 2 Years : negative	
Titani	um dioxide:		
	ation Route ure time d	: 2 Years : OECD Test : positive	ust/mist/fume) Guideline 453 ism or mode of action may not be relevant in hu
Carcir ment	nogenicity - Assess-	: Limited evid animals.	ence of carcinogenicity in inhalation studies with
May d	ductive toxicity amage the unborn ch ause harm to breast-		
<u>Comp</u>	onents:		
Cellul Effects	ose: s on fertility	Species: Ra	Route: Ingestion
Effect: ment	s on foetal develop-	Species: Ra	Route: Ingestion
Losar	tan:		
	s on fertility	Result: fema	t, female
Effect: ment	s on foetal develop-	Species: Ra Application I General Tox Developmer Result: Emb	Route: Oral icity Maternal: NOAEL: 10 mg/kg body weight ital Toxicity: NOAEL F1: 20 mg/kg body weight ryotoxic effects and adverse effects on the off- detected only at high maternally toxic doses, No
		Test Type: [Development



rsion)	Revision Date: 06.04.2024	SDS Number: 49944-00023	Date of last issue: 30.09.2023 Date of first issue: 26.01.2015
Repro sessn	oductive toxicity - As- nent	Result: Feto Clear evider animal expe	ntal Toxicity: LOAEL: 10 mg/kg body weight toxicity, No teratogenic effects nce of adverse effects on development, based c
	l'alas Desedate	<u>o</u> u	
	dipine Besylate: s on fertility	Species: Ra Application I Fertility: NO	Fertility/early embryonic development t Route: Ingestion AEL: 10 mg/kg body weight offects on fertility
		Species: Ra Application Fertility: NO	Fertility/early embryonic development bbit Route: Ingestion AEL: 25 mg/kg body weight offects on fertility
Effect ment	s on foetal develop-	Species: Ra Application I Developmer	Embryo-foetal development t Route: Ingestion htal Toxicity: LOAEL: 10 mg/kg body weight cts on foetal development
		Species: Ra Application I Developmer	Embryo-foetal development bbit Route: Ingestion ntal Toxicity: NOAEL: 10 mg/kg body weight offects on foetal development
		Species: Mc Application I Developmer Result: Effec	Embryo-foetal development ouse Route: Ingestion ntal Toxicity: LOAEL: 1.6 mg/kg body weight cts on foetal development aternal toxicity observed.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

May cause damage to organs (Blood, Cardio-vascular system, Stomach, Kidney) through prolonged or repeated exposure if swallowed.



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Losa Expos Targe	ponents: rtan: sure routes et Organs ssment		-vascular system, Stomach, Kidney mage to organs through prolonged or repeated
Repe	ated dose toxicity		
<u>Com</u>	ponents:		
	ies	: Rat : >= 9,000 mg/ł : Ingestion : 90 Days	٢ġ
Losa	rtan:		
Expos Numb		: Rat : 15 mg/kg : Oral : 309 d : daily : Blood, Kidney	, Cardio-vascular system, Stomach
Expo		: Dog : 5 mg/kg : Oral : 1 Months : Salivation, Vo	miting
Expo	EL cation Route sure time per of exposures	: Dog : 25 mg/kg : Oral : 53 Weeks : daily : Salivation, Vo	miting
Amlo	dipine Besylate:		
Speci NOAI	ies EL cation Route sure time	: Rat : 15 mg/kg : Oral : 90 d : No significant	adverse effects were reported
Titan	ium dioxide:		
Speci NOAE Applie		: Rat : 24,000 mg/kg : Ingestion	



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Expo	sure time	:	28 Days	
Species NOAEL Application Route Exposure time		:	Rat 10 mg/m3 inhalation (dus 2 yr	t/mist/fume)
-	ration toxicity lassified based on availa	able	information.	
Com	ponents:			
Losa No as	rtan: spiration toxicity classific	atio	n	
Expe	rience with human exp	osi	ire	
<u>Com</u>	ponents:			
Losa				
Eye o Inges	contact stion	:	Symptoms: Ey Symptoms: hy	e irritation potension, tachycardia
Amlo	dipine Besylate:			
Eye o Inges	contact stion	 Symptoms: Severe irritation Symptoms: Nausea, Abdominal pain, Fatigue, Headache, Oedema, Palpitation 		usea, Abdominal pain, Fatigue, Headache,
Section 1	2: Ecological informati	on		
Toxic	city			
Com	ponents:			
Cellu	lose:			
Toxic	ity to fish	:	Exposure time	latipes (Japanese medaka)): > 100 mg/l : 48 h ed on data from similar materials
Losa	rtan:			
Toxic	ity to fish	:	LC50 (Oncorh Exposure time Method: FDA	
	ity to daphnia and other tic invertebrates	:	Exposure time	a magna (Water flea)): 331 mg/l : 48 h) Test Guideline 202
Toxic plants	ity to algae/aquatic s	:	NOEC (Microc Exposure time Method: FDA	



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			NOEC (Selenastr Exposure time: 10 Method: FDA 4.07	
Toxicit icity)	ty to fish (Chronic tox-	:	NOEC (Pimephale Exposure time: 32 Method: OECD Te	
	ty to daphnia and other ic invertebrates (Chron- city)	:	NOEC (Daphnia r Exposure time: 21 Method: OECD To	
II Amlor	dipine Besylate:			
	ty to fish	:	LC50 (Pimephale Exposure time: 96	s promelas (fathead minnow)): 2.7 mg/l S h
	ty to daphnia and other c invertebrates	:	EC50 (Daphnia m Exposure time: 48	agna (Water flea)): 3.2 mg/l 3 h
Toxicit plants	ty to algae/aquatic	:	IC50 (Pseudokirch Exposure time: 72 Method: OECD To	
Titani	um dioxide:			
	ty to fish	:	LC50 (Oncorhync Exposure time: 96 Method: OECD Te	
	ty to daphnia and other c invertebrates	:	EC50 (Daphnia m Exposure time: 48	agna (Water flea)): > 100 mg/l 3 h
Toxicit plants	ty to algae/aquatic	:	EC50 (Skeletoner Exposure time: 72	na costatum (marine diatom)): > 10,000 mg/ 2 h
Toxicit	ty to microorganisms	:	EC50: > 1,000 mg Exposure time: 3 Method: OECD Te	h
Persis	stence and degradabili	ity		
<u>Comp</u>	oonents:			
Cellul	ose:			
	gradability	:	Result: Readily bi	odegradable.
Losar Stabili	tan: ity in water	:	Hydrolysis: < 10 %	%(5 d)



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Bioad	ccumulative potentia	1	
<u>Com</u>	ponents:		
	rtan: ion coefficient: n- ol/water	: log Pow: 1.2	
Amlodipine Besylate: Partition coefficient: n- octanol/water		: log Pow: 3	
	lity in soil ata available		
	r adverse effects ata available		

Disposal methods		
Waste from residues	Do not dispose of waste into sewer.	
	Dispose of in accordance with local regulations.	
Contaminated packaging	: Empty containers should be taken to an approved waste	han-
	dling site for recycling or disposal.	
	If not otherwise specified: Dispose of as unused product.	

Section 14: Transport information

International Regulations

UNRTDG UN number UN proper shipping name Transport hazard class(es) Subsidiary risk Packing group Labels Environmentally hazardous		Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable no
IATA-DGR UN/ID No. UN proper shipping name Class Subsidiary risk Packing group Labels Packing instruction (cargo aircraft)		Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable
Packing instruction (passen- ger aircraft)	:	Not applicable

IMDG-Code



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UN nu	Imber	: Not applicable	
UN pre	oper shipping name	: Not applicable	

Class	:	Not applicable
Subsidiary risk	:	Not applicable
Packing group	:	Not applicable
Labels	:	Not applicable
EmS Code	:	Not applicable
Marine pollutant	:	Not applicable

Transport in bulk according to IMO instruments

Not applicable for product as supplied.

Special precautions for user

Not applicable

Section 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

Workplace Safety and Health Act and Workplace Safety and Health (General Provisions) Regulations: This product is subjected to the SDS, labelling, PEL and other requirements in the Act/Regulations.
Environmental Protection and Management Act and Environmental Protection and Management (Hazard-ous Substances) Regulations
Fire Safety (Petroleum and Flammable Materials) : Not applicable
Fire Safety (Petroleum and Flammable Materials) : Not applicable

AICS	: not determined
DSL	: not determined
IECSC	: not determined

Section 16: Other information

Revision Date	:	06.04.2024
Further information Sources of key data used to compile the Safety Data Sheet	:	Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen- cy, http://echa.europa.eu/

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

Date format : dd.mm.yyyy

Full text of other abbreviations



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ACGIH SG OEL		 USA. ACGIH Threshold Limit Values (TLV) Singapore. Workplace Safety and Health (General Provisions) Regulations - First Schedule Permissible Exposure Limits of Toxic Substances. 	
ACGIH / TWA SG OEL / PEL (long term)		 8-hour, time-weighted average Permissible Exposure Level (PEL) Long Term 	
SG OEL / PEL (long term) : Permissible Exposure Level (PEL) Long Term AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECX - Concentration associated with x% response; ELX - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCX - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized Sys- tem; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory con- centration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemi- cal Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Or- ganisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Con- centration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; GECD - Organization for Economic Co-operation and Develop- ment; OPPTS - Office of Chemicals Safety and Pollution Prevention; PBT - Persistent, Bioaccumu- lative and Toxic substance; PICC			

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

SG / EN